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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

07/29/2005

Mark D. Simpson, Esquire Synnestvedt & Lechner LLP 2600 Aramark Tower 1101 Market Street Philadelphia, PA 19107-2950

EXA	MINER
HECK,	MICHAEL C
ART UNIT	PAPER NUMBER
3623	

DATE MAILED: 07/29/2005

APPLICATION NO.	FILING DATE	· FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/507 004	02/22/2000	Stefanos Manganaris	PSW0-00-148	2371

TITLE OF INVENTION: METHOD AND SYSTEM FOR RESEARCHING PRODUCT DYNAMICS IN MARKET BASKETS IN CONJUNCTION WITH AGGREGATE MARKET BASKET PROPERTIES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	10/31/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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Mark D. Simpsor Synnestvedt & Lec 2600 Aramark Tow 1101 Market Street	hner LLP ver			C	Certificate of Mailing or Trans this Fcc(s) Transmittal is bein with sufficient postage for fir ail Stop ISSUE FEE address SPTO (571) 273-2885, on the c	smission
Philadelphia, PA 19	9107-2950			· · · · · · · · · · · · · · · · · · ·		(Depositor's name)
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HECK, MI		3623	<u>' · </u>	705-010000		
1. Change of correspondence CFR 1.363). Change of correspond Address form PTO/SB/12 "Fee Address" indicat PTO/SB/47; Rev 03-02 c Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGNI Please check the appropriate Issue Fee Publication Fee (No se	e address or indication of "Feence address (or Change of 22) attached. ion (or "Fee Address" Indication from the central attached. Use RESIDENCE DATA TO B an assignce is identified by 37 CFR 3.11. Completion of EE	ce Address" (37 Correspondence ation form c of a Customer E PRINTED ON T clow, no assignce cof this form is NOT (B) rics (will not be printed the company of the compan	(1) the name or agents O (2) the name registered a a 2 registered listed, no nate of the PATENT lata will appear a substitute for RESIDENCE and the part of F A check in Payment b The Direct	ing on the patent front page, ics of up to 3 registered pat R, alternatively, c of a single firm (having as ttorney or agent) and the na patent attorneys or agents. Important or type) are on the patent. If an assignment. E: (CITY and STATE OR COMMENT: Individual	cnt attorneys s a member a 2	oup entity Government
	MALL ENTITY status. See :	,	b. Applicar	nt is no longer claiming SM	ALL ENTITY status. See 37 CI	FR 1.27(g)(2).
The Director of the USPTO in NOTE: The Issue Fee and Punterest as shown by the reco	s requested to apply the Issuablication Fee (if required) with the United States Pate) or to re-apply any previou other than the applicant; a re	sly paid issue fee to the applica gistered attorney or agent; or th	tion identified above.
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Typed or printed name	Typed or printed name Registration No					
This collection of information application. Confidentiality ubmitting the completed applies form and/or suggestions 30x 1450, Alexandria, Virginia 22313-1 Jnder the Paperwork Reduct	n is required by 37 CFR 1.3 ry is governed by 35 U.S.C. plication form to the USPT for reducing this burden, sh nia 22313-1450. DO NOT 9 450. ion Act of 1995, no persons	11. The information 122 and 37 CFR 1 D. Time will vary could be sent to the SEND FEES OR Coare required to resp	is required to 14. This collection depending upo Chief Informa OMPLETED I	obtain or retain a benefit by ction is estimated to take 12 on the individual case. Any ottion Officer, U.S. Patent and FORMS TO THIS ADDREST	the public which is to file (and minutes to complete, includin comments on the amount of tin d Trademark Office, U.S. Depe SS. SEND TO: Commissioner for t displays a valid OMB control	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, number.



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Mark D. Simpson Synnestvedt & Lec		·	HECK, MI	CHAEL C
2600 Aramark Tow			ART UNIT	PAPER NUMBER
1101 Market Street			3623	
Philadelphia, PA-19	9107-2950		DATE MAILED: 07/29/200	5

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 600 day(s). Any patent to issue from the above-identified application will include an indication of the 600 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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Internet Explorer

	Application No.	Applicant(s)
	09/507,004	MANGANARIS ET AL.
Notice of Allowability	Examiner	Art Unit
•	Michael C. Heck	3623
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is and MPEP 1308.	n this application. If not included unication will be mailed in due course. THIS
2. ☑ The allowed claim(s) is/are <u>1-15</u> .		
3. ☑ The drawings filed on 22 February 2000 are accepted by the	ne Examiner.	
4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to the paper No./Mail OFF and/or INFORMATION about the depo	e been received. e been received in Application of this communication to fill the terms of this application. et a been received in Application of this communication to fill the terms of this application. et a be submitted. et a be submitted.	on No ed in this national stage application from the ed in this national stage application from the ear reply complying with the requirements AMINER'S AMENDMENT or NOTICE OF or declaration is deficient. EW (PTO-948) attached or in the Office action of the drawings in the front (not the back) of FR 1.121(d). ERIAL must be submitted. Note the
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MATE	OLOGICAL MATERIAL.
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Nation of I	nformal Patent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	-	Summary (PTO-413),
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No	./Mail Date s Amendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit		s Statement of Reasons for Allowance
of Biological Material	9. Other	Mas
	s	TARIC R. HAMZ UPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3600

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REASONS FOR ALLOWANCE

1. Claims 1-15 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The present invention of claims 1, 6 and 11 relates to a computer-implemented method, a computer program product recorded on a computer-readable medium, and a system for researching product dynamics in market baskets in conjunction with aggregate market basket properties. As to method claim 1, the closest prior art Chen et al. (U.S. Patent 6,377,934) teach a computer-implemented method of processing market research data including aggregate sales data concerning items grouped in a plurality of market baskets and sold during retail sales transactions of a retailer comprising the steps of receiving analysis parameters from said retailer for use in analyzing said market research data; receiving said aggregate sales data; and analyzing said aggregate sales data based on said market basket groupings and determining if any of said market basket groupings display characteristics identified by said analysis parameters. However, Chen et al. and the prior art of record fail to teach or suggest that for all market basket groupings which have been determined to display said characteristics, enhancing said aggregate sales data concerning each market basket grouping by embedding in said aggregate sales data an "imaginary item" for each characteristic(s) displayed by each market basket grouping.

Jacobi et al. (U.S. Patent 6,317,722) in combination with Chen et al. teach mapping of items to similar items by an off-line process, which identifies correlations between known interests of users in particular items. The mappings are generated by

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market basket grouping.

analyzing user purchase histories to identify correlations between purchases of items. Jacobi et al. further teach using the contents of a user's shopping cart as inputs to the recommendation service; and the use of a data structure, which maps products to set of related products based on user histories, and for each of the products in a shopping cart of the user, identifies a plurality of sets of related products. However, Jacobi et al. does not, alone or in combination with Chen et al., teach or suggest the embedding in said

aggregate sales data an "imaginary item" for each characteristic(s) displayed by each

Claims 6-15 substantially recite the same limitations as that of claims 1-5 with the distinction of the recited method being a computer program product recorded on a computer-readable medium, and a system. Hence the allowability of claims 1-5 as applied above applies to claims 6-15.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure

- Tuzhilin et al. (WIPO WO 00/08632) disclose data mining queries that when executed retrieve the patterns specified by the user from a database. The invention relates to a method for organizing, updating and helping determine which "patterns" or association amongst data in a database are of interest to a user of the database.

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Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Michael C. Heck whose telephone number is (571) 272-6730. The Examiner can normally be reached Monday thru Friday between the hours of 8:30am - 4:30pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq R. Hafiz can be reached on (571) 273-6729.

Any response to this action should be mailed to:

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

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[Official communications; including After Final

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(571) 273-6730

[Informal/Draft communication, labeled "PROPOSED" or

"DRAFT"]

Mep mch

12 July 2005

TARIO R. HAFIZ

SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3600